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1. Document ID: WO 9629296 A1 AU 9648829 A FR 2731701 A1

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Sep 26, 1996

DERWENT-ACC-NO: 1996-454849

DERWENT-WEEK: 199645

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TITLE: Simple prepn. of fluoroalkane(s) avoiding the use of hydrogen fluoride - comprises pyrolysing chloro:di:fluoromethane in presence of alkane(s) and/or fluoroalkane(s)

INVENTOR: HUB, S; LANTZ, A ; SCHIRMANN, J ; SCHIRMANN, J P

## PATENT-ASSIGNEE:

ASSIGNEE	CODE
ELF ATOCHEM SA	AQOR

PRIORITY-DATA: 1995FR-0003116 (March 17, 1995)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9629296 A1	September 26, 1996	F	010	C07C017/269
AU 9648829 A	October 8, 1996		000	C07C017/269
<u>FR 2731701 A1</u>	September 20, 1996		006	C07C019/08

DESIGNATED-STATES: AU CA CN JP KR US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

CITED-DOCUMENTS: GB 581405; US 3428695

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO 9629296A1	February 26, 1996	1996WO-FR00295	
AU 9648829A	February 26, 1996	1996AU-0048829	
AU 9648829A		WO 9629296	Based on
FR 2731701A1	March 17, 1995	1995FR-0003116	

INT-CL (IPC): C07 C 17/25; C07 C 17/266; C07 C 17/269; C07 C 17/278; C07 C 19/08

ABSTRACTED-PUB-NO: WO 9629296A

## BASIC-ABSTRACT:

Prepn. of fluoroalkanes of formula (I) C<sub>n</sub>H<sub>x</sub>F<sub>y</sub> comprises pyrolysing chlorodifluoromethane (F22) at greater than 500 deg.C. in the presence of at least one (fluoro)alkane of formula (II) C<sub>n-1</sub>H<sub>x</sub>F<sub>y-2</sub>. In the formulae, n and y are integer greater than 2; and x is integer such that x+y = 2n+2.

USE - HFC's are useful as substitutes for CFC's.

ADVANTAGE - Process is simple and does not involve use of hydrogen fluoride.

CHOSEN-DRAWING: Dwg. 0/0

TITLE-TERMS: SIMPLE PREPARATION FLUOROALKANE AVOID HYDROGEN FLUORIDE COMPRISE PYROLYSE  
CHLORO DI FLUOROMETHANE PRESENCE ALKANE FLUOROALKANE

DERWENT-CLASS: E16

CPI-CODES: E10-H03A3;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

H6 H601 H607 H608 H609 H681 H682 H684 H685 H689  
M280 M311 M312 M313 M321 M332 M342 M343 M344 M363  
M391 M416 M620 M720 M903 M904 N209 N224 N225 N311  
N514 N515  
Markush Compounds  
199645-D8401-P

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